

# Regalis® Plus

A horticultural growth regulator for the control of shoot growth in apples.

A water dispersible granule containing 10% (w/w) prohexadione.

## Risk and Safety Information

### **Warning:**

**May cause an allergic skin reaction.**

Wear protective gloves.

Avoid breathing dust.

IF ON SKIN: wash with plenty of soap and water.

If skin irritation or rash occurs: get medical advice/attention.

Wash contaminated clothing before re-use.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

Authorization holder:  
BASF plc, P O Box 4,  
Earl Road, Cheadle Hulme,  
Cheshire, SK8 6QG, UK

Supplied by:  
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Emergency Information  
(24 hours freephone):  
0049 180 227 3112  
Technical Enquiries:  
0044 (0)845 602 2553 (office hours)

**1.5 kg**

PCS No.:05409



**BASF**  
Bayer AG



## PRECAUTIONS

### Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

### Environmental protection

Do not contaminate surface waters or ditches with chemical or used containers.

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads).

### Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely.

FOR PROFESSIONAL USE ONLY

This product is approved under the Plant Protection Products Regulation 1107/2009.

**FOR USE ONLY AS A HORTICULTURAL PLANT GROWTH REGULATOR, as directed below:**

Crops	Maximum Individual Dose	Timing of Application	Maximum Total Dose
	2.5 kg product/ha	Flower buds visible to End of flowering	
Apples	1.5 kg product/ha	From development of fruit to Fruit about 50% final size	2.5 kg product/ha

#### Other specific restriction:

A minimum interval of 56 days must be observed between the latest timing of application (BBCH 75) and date of harvest.

The maximum spray concentration must not exceed 2.5 kg of product in 300 L water.

**READ ALL PRECAUTIONS BEFORE USE**

PCS No.:05409

## **DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Regalis Plus is a plant growth regulator for use in apples. Regalis Plus controls shoot growth.

### **1. Restrictions/Warnings**

For professional use only.

Do not apply Regalis Plus together with calcium based foliar fertilizers.

Do not exceed a maximum total dose of 1.5 kg/ha Regalis Plus during the first half of fruit development, i.e. from small fruits present (BBCH 71) to fruits 50% of their final size (BBCH 75).

Do not exceed a maximum overall dose of 2.5 kg/ha Regalis Plus per crop per season.

Extreme care must be taken to avoid spray drift onto neighbouring crops and non-crop plants outside of the target area.

## **2. Crops**

### **2.1 Apples**

Regalis Plus can be used on all apple varieties.

#### **Time and Rate of Application**

Apply Regalis Plus during flowering (BBCH 55-69) and/or during the first half of fruit development, i.e. from small fruits present (BBCH 71) to fruits 50% of their final size (BBCH 75).

Multiple applications of Regalis Plus can be applied up to a maximum overall dose per crop per season of 2.5 kg/ha.

For example apply one application of Regalis Plus at 1.25 kg/ha at the start of active shoot growth, when there are 3 to 5 fully expanded leaves per shoot. This growth stage usually coincides with the end of flowering (BBCH 69). Apply a second application of 1.25 kg/ha after an interval of 3-5 weeks, depending on growth conditions. Alternatively apply the first application of 1.25 kg/ha from the start of active shoot growth (3-5 leaves per shoot) and four reduced rate applications of 0.31 kg/ha at 2 week intervals, ensuring that the minimum pre-harvest interval of 56 days is adhered to.

Other programmes are possible, providing a maximum total dose of 2.5 kg/ha per season is not exceeded. A maximum total dose of 1.5 kg/ha should not be exceeded from BBCH 71-75.

#### **Water volume**

Apply Regalis Plus in 300 to 1500 litres of water per hectare, depending on the size of the trees and leaf area at application. Use a sufficient water volume to ensure good and even coverage, but not to the point of run-off.

### **Qualified recommendation**

Regalis Plus may be applied in 200 litres of water per hectare although efficacy and crop safety at this reduced water volume has not been evaluated. Therefore application at 200 litres water per hectare is at user's risk with regard to biological efficacy and crop safety.

### **3. Mixing and spraying**

Apply as a FINE to MEDIUM spray (BCPC definition).

Three quarters fill the spray tank with clean water and start agitation. Remove the top filter. **Slowly** add the required amount of product. Replace the top filter. Add the remainder of the water and continue agitation until spraying is completed.

Never prepare more spray solution than is required.

### **4. Compatibility**

For details of compatibilities contact your distributor, local BASF representative or the BASF Technical Services Hotline: 0044 845 602 2553 or visit our website on: [www.agriCentre.basf.ie](http://www.agriCentre.basf.ie).

#### **4.1 Known incompatibilities:**

Caution is advised when mixing with carbonate-containing products such as potassium hydrogen carbonate or potassium bicarbonate. Carbon dioxide / foaming may be produced and reduction of efficacy may occur.

**The following does not form part of the product label under the Plant Protection Products Regulation 117/2009.**

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use, but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

SPECIMEN  
2015 to 2016

### **Additional Product Safety Information**

The product label provides information on a specific pestical use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has, off-label' approval or is otherwise permitted under S.I. No. 159 of 2012.

The information on this label is based on the best available information including data from test results.

## **Safety Data Sheet**

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:

[http://www.agricentre.basf.ie/go/regalis\\_plus\\_sds](http://www.agricentre.basf.ie/go/regalis_plus_sds)

Alternatively, contact your supplier.